

FIG. 1

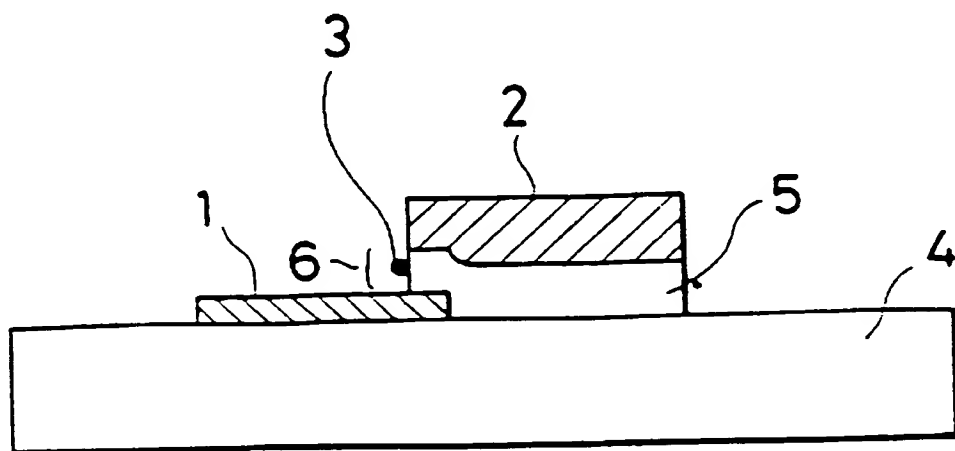
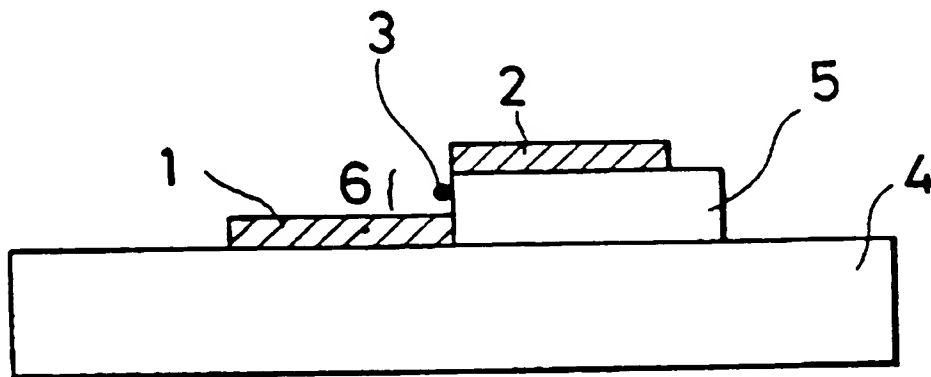


FIG. 2



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FIG.3A

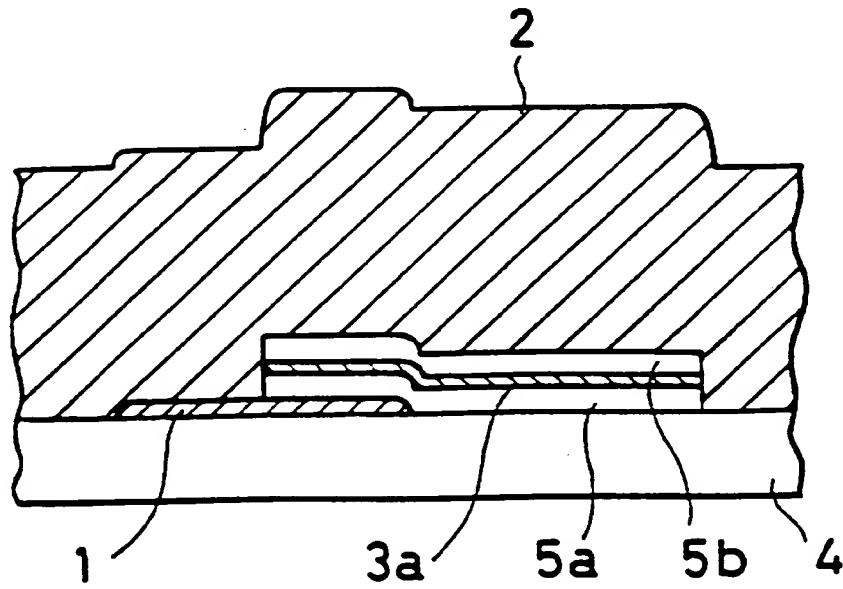


FIG.3B

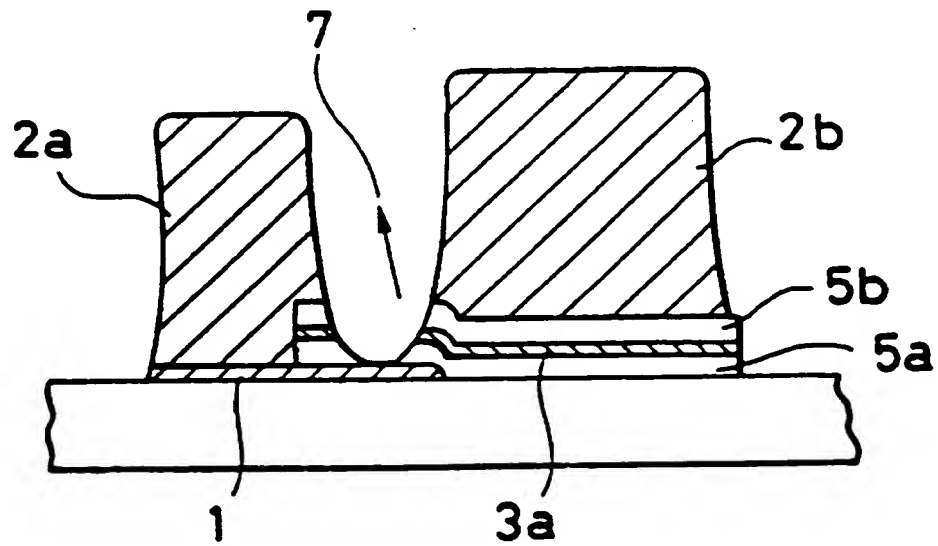


FIG. 4

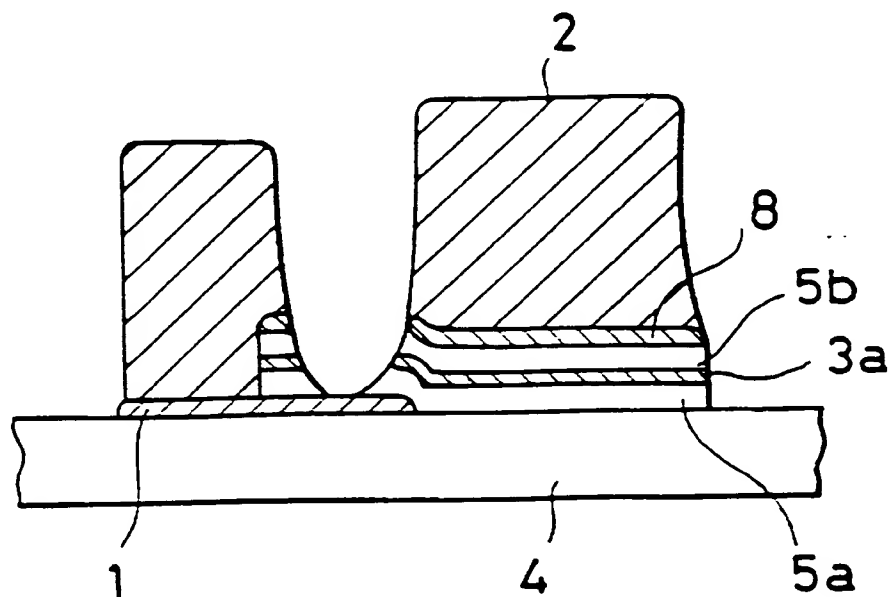


FIG. 5

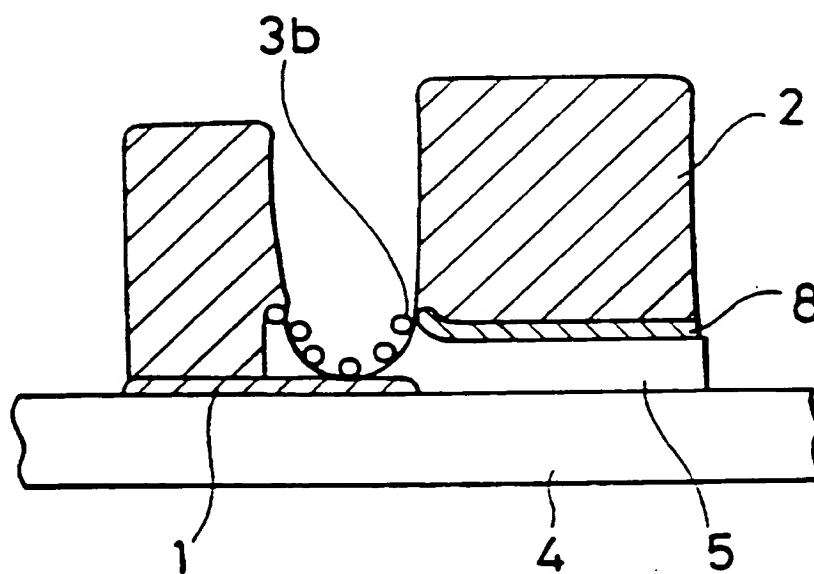


FIG.6A

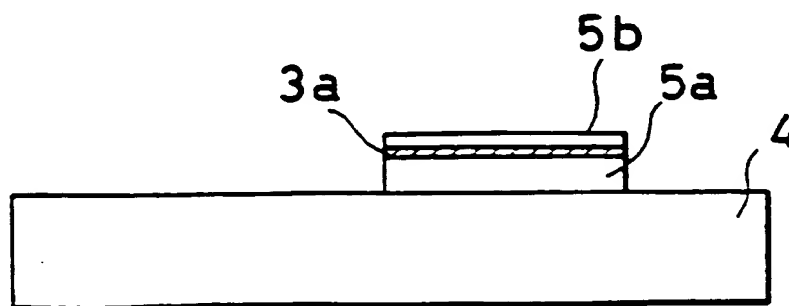


FIG.6B

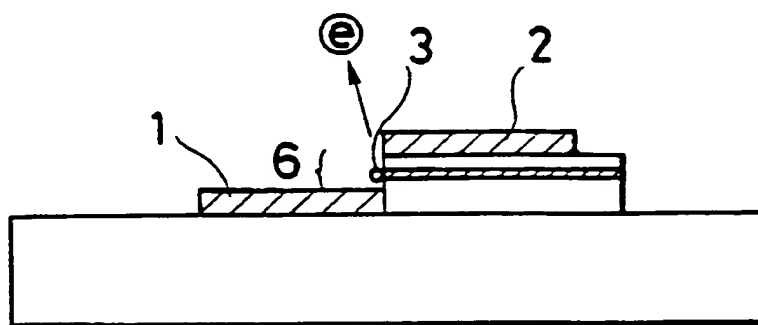
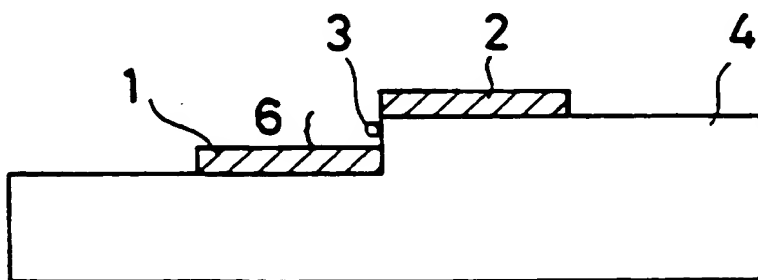
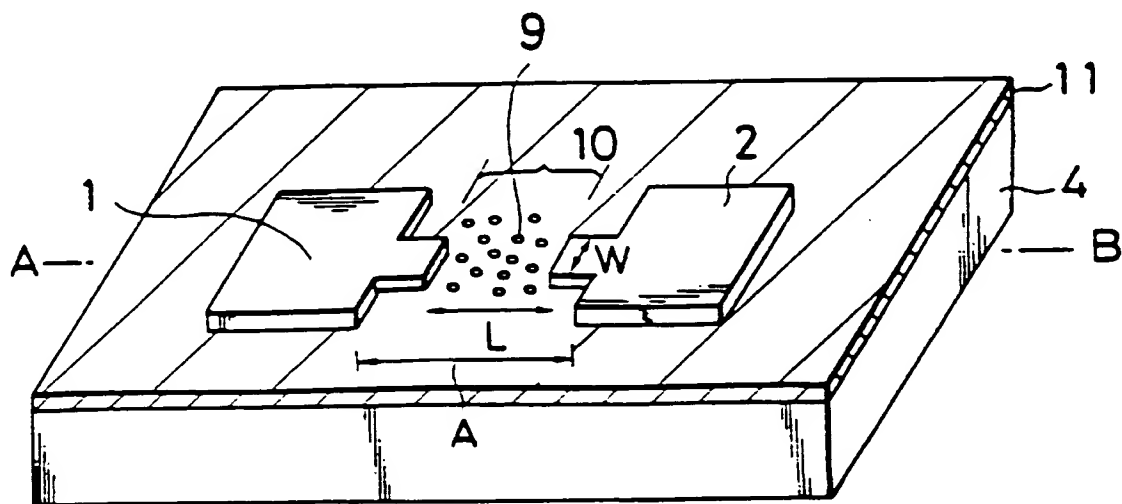


FIG.7

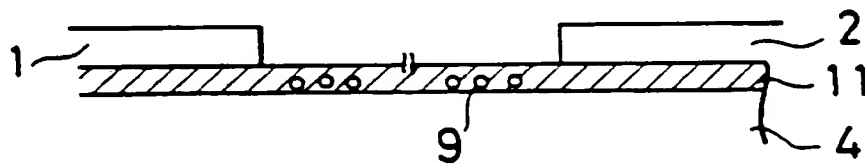


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# FIG.8



# FIG.9



# FIG.10

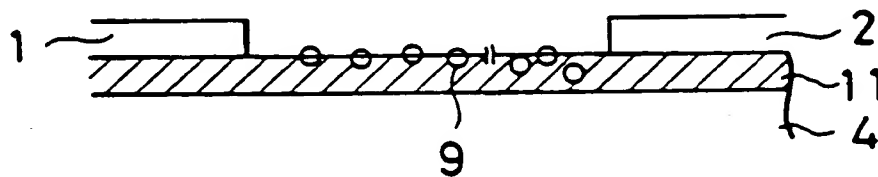


FIG.IIA

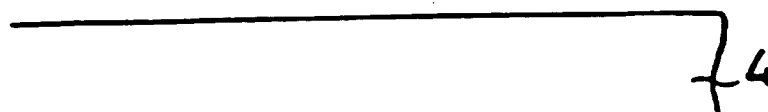


FIG.IIB

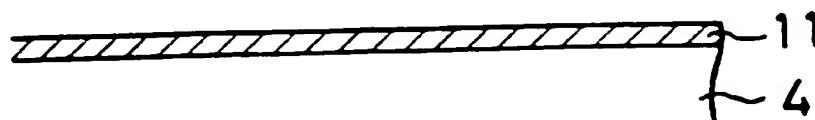


FIG.IIC

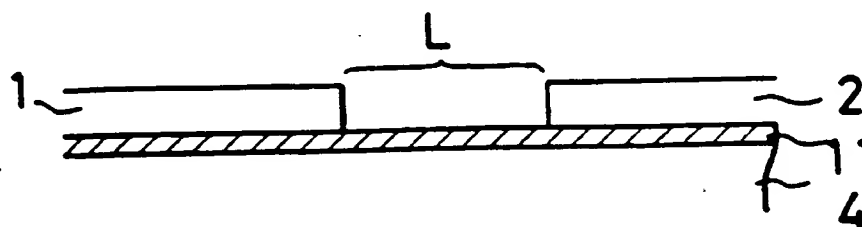


FIG.IID

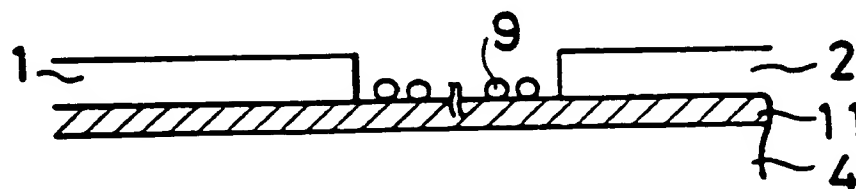
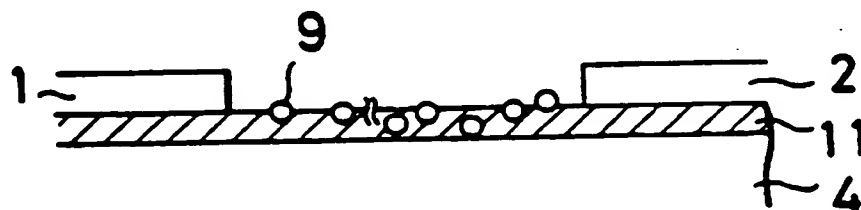


FIG.IIE



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FIG.12

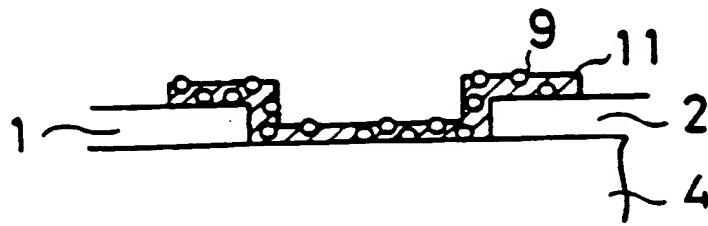


FIG.13A

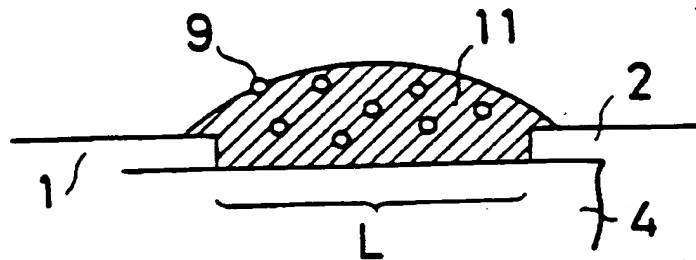


FIG.13B

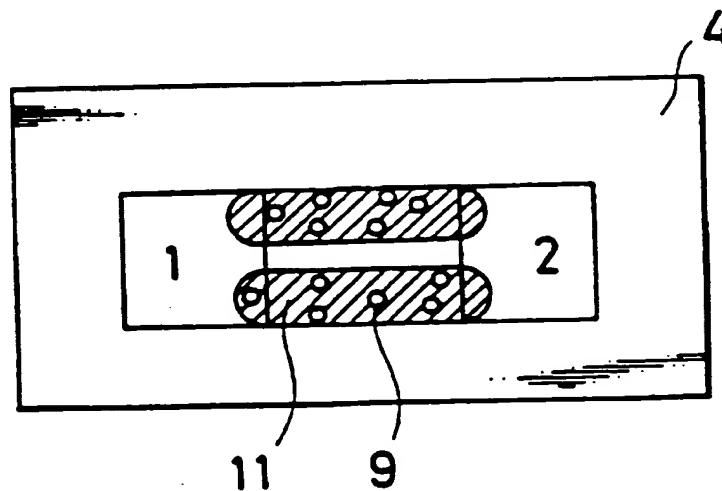


FIG.14A

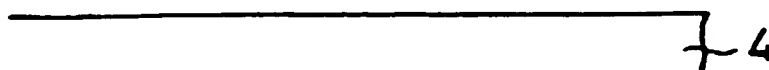


FIG.14B

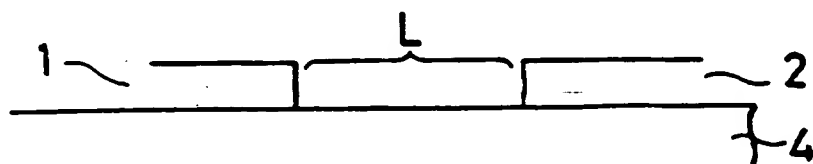


FIG.14C

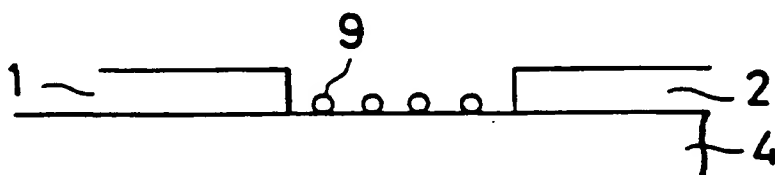


FIG.14D

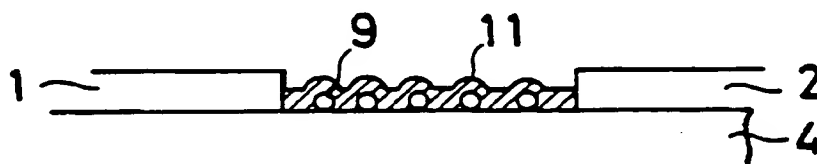


FIG.14E

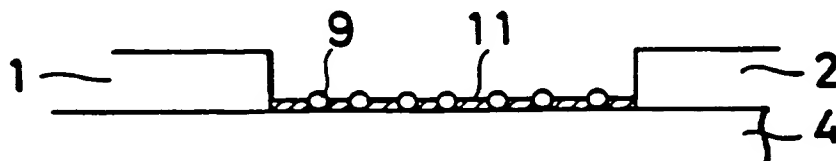




FIG.15A

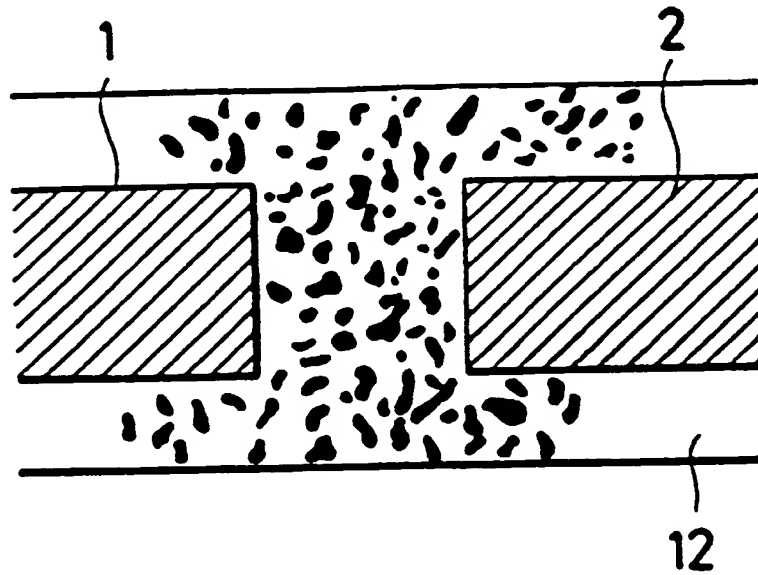


FIG.15B

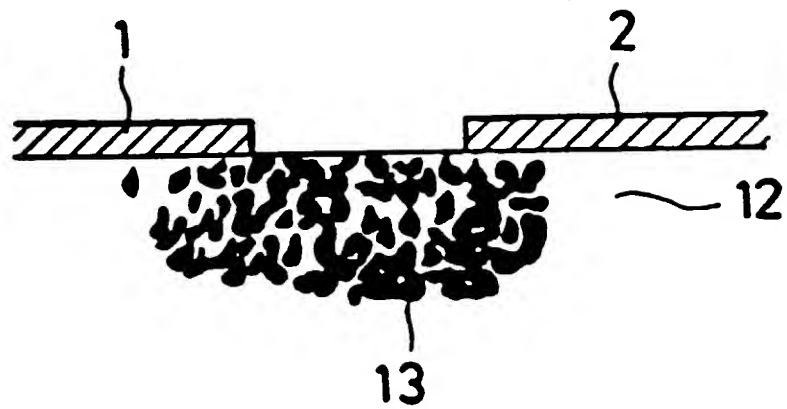


FIG.16A

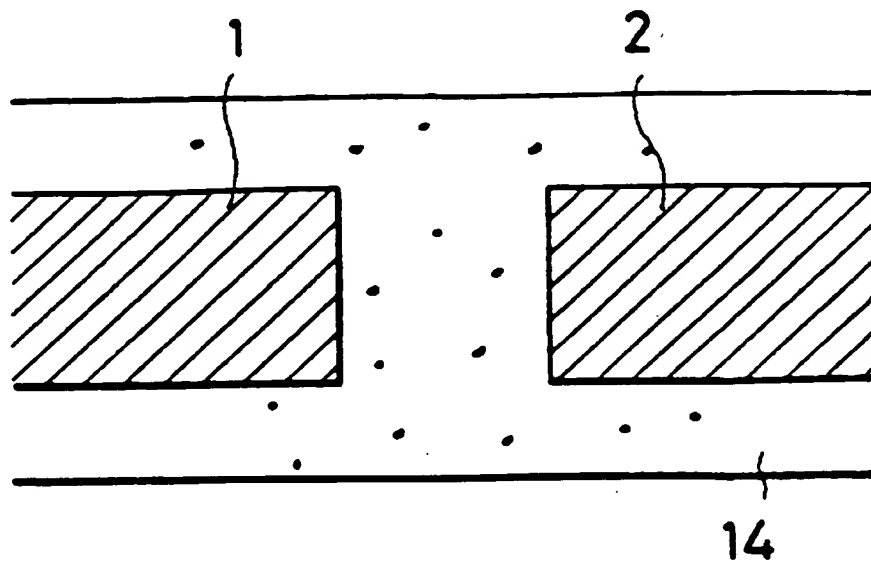
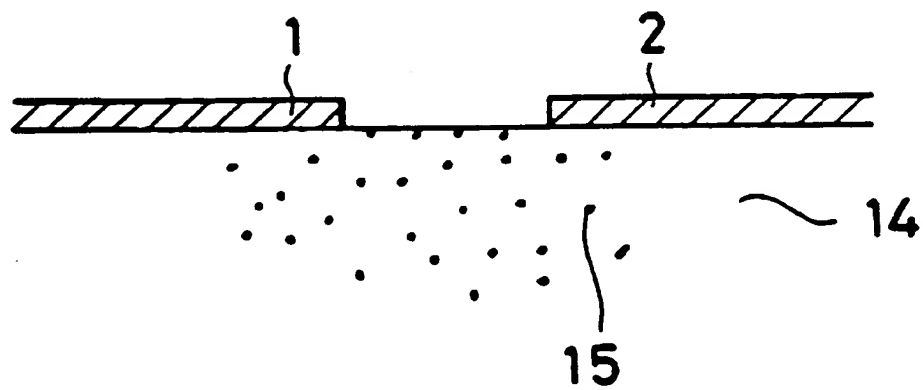
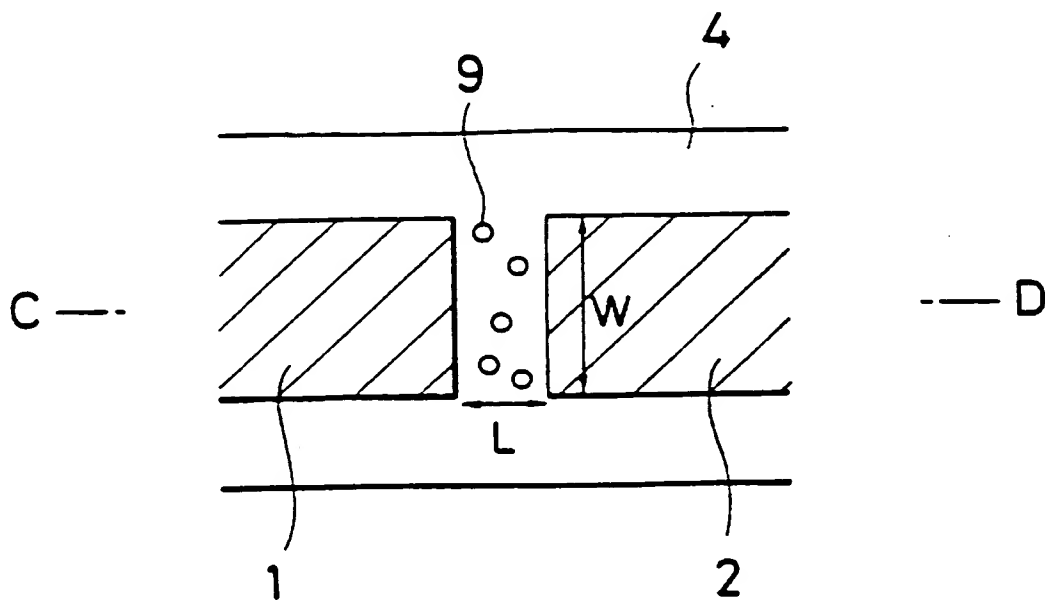


FIG.16B



# FIG.17



# FIG.18

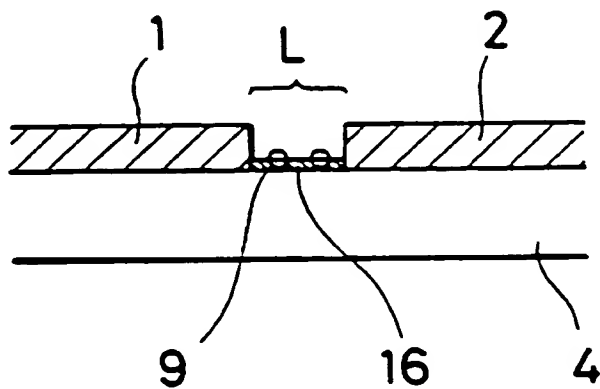


FIG.19A

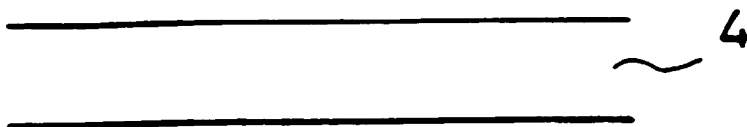


FIG.19B

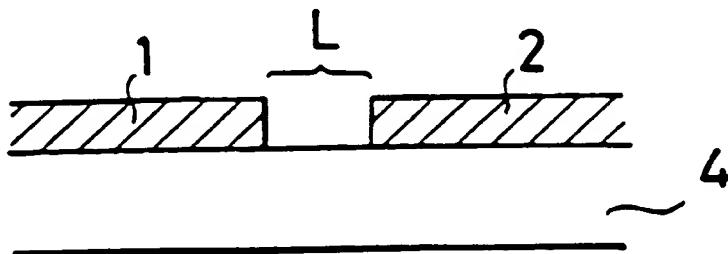


FIG.19C

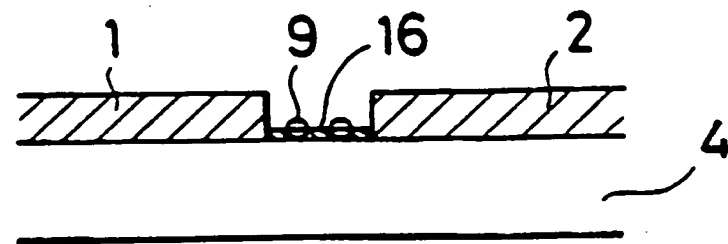


FIG.20

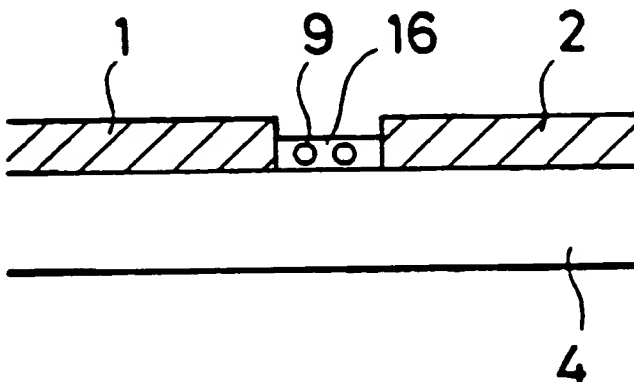


FIG.21

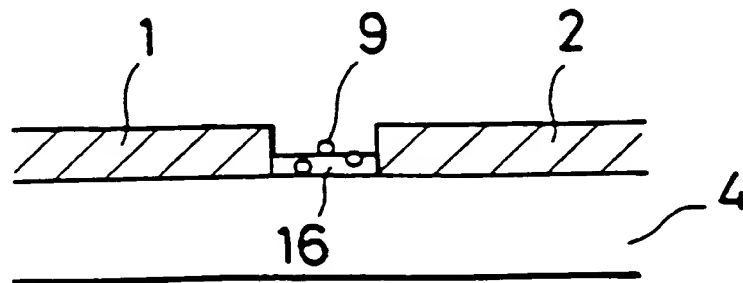


FIG.22

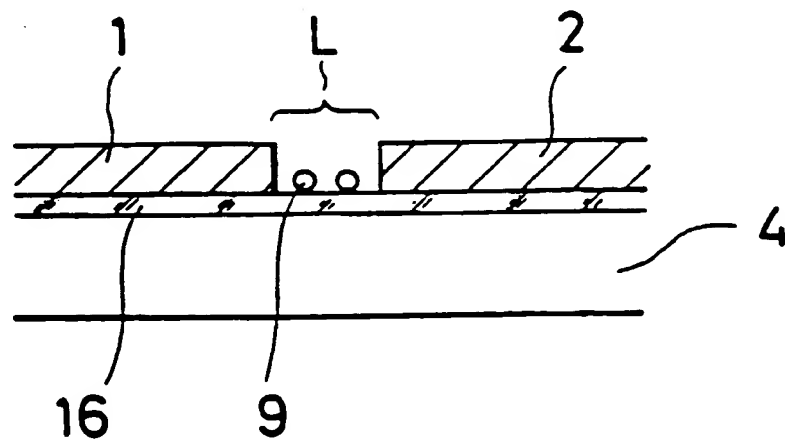


FIG.23A



FIG.23B

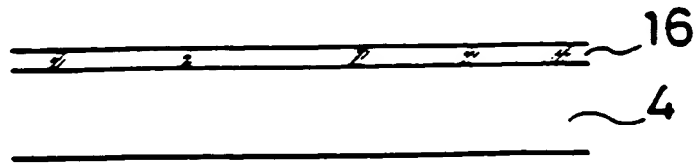


FIG.23C

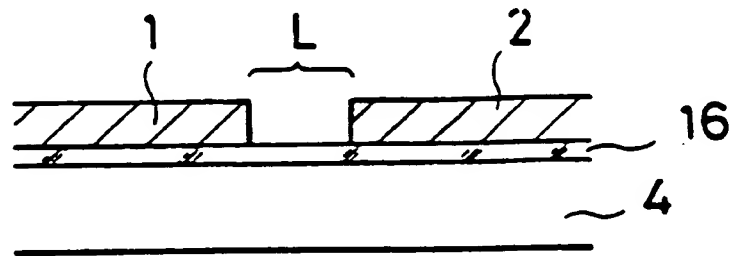


FIG.23D

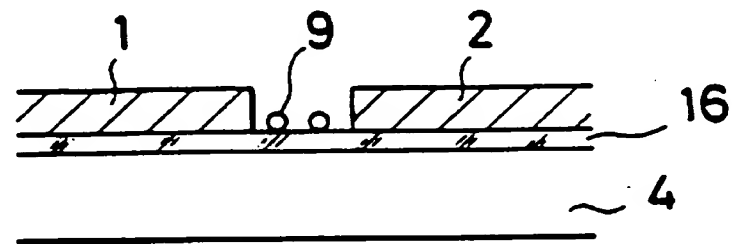


FIG.24

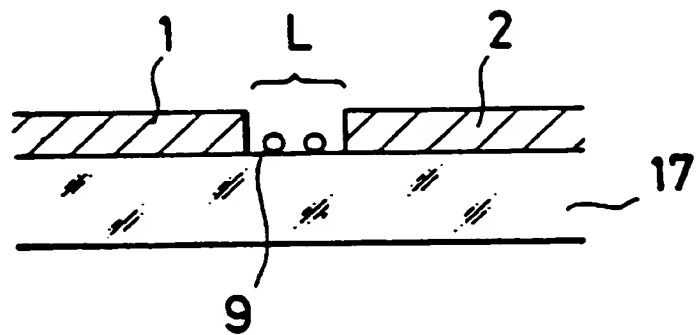


FIG.25

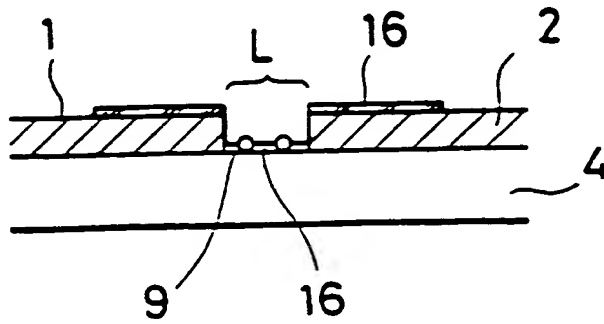


FIG.26A



FIG.26B

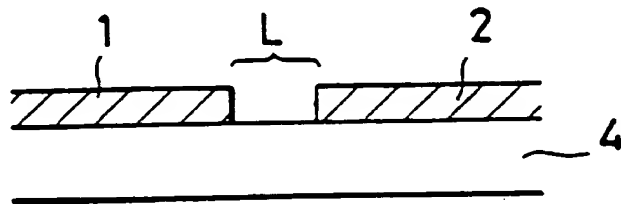


FIG.26C

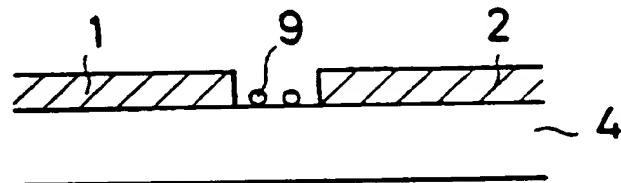


FIG.26D

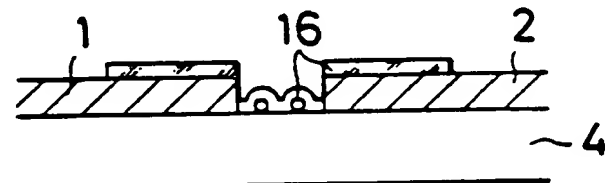
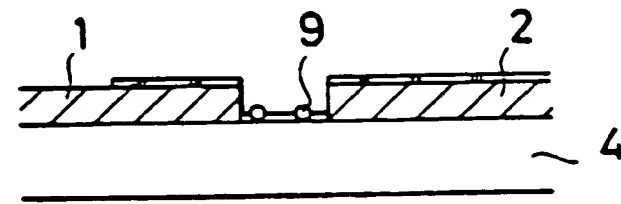
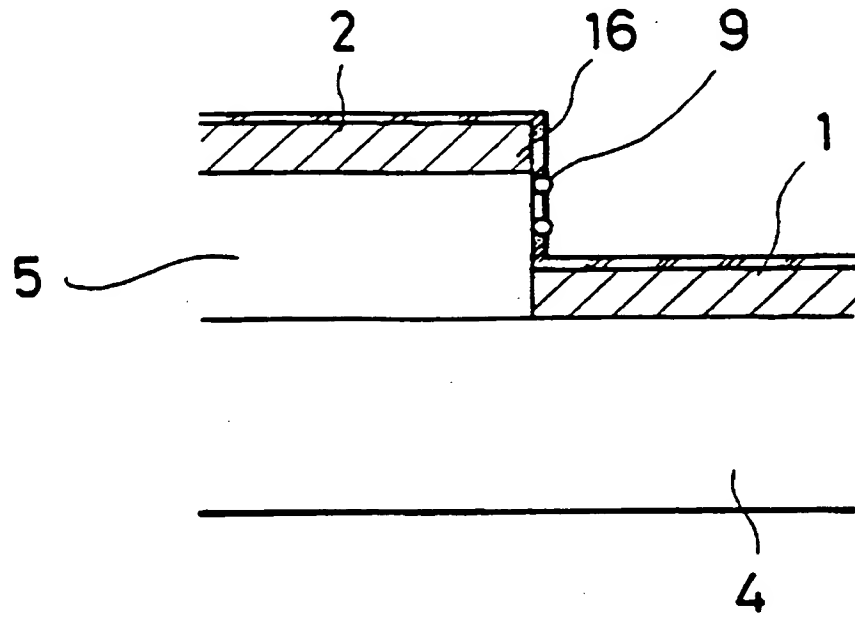


FIG.26E



669280" 92E+8E60

FIG.27





0934329 08599 669280" 92E48E6D

FIG.28A

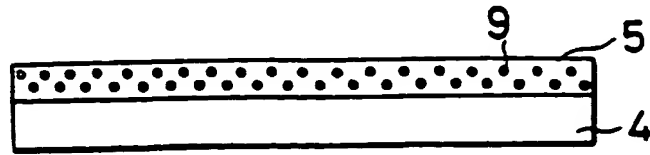


FIG.28B

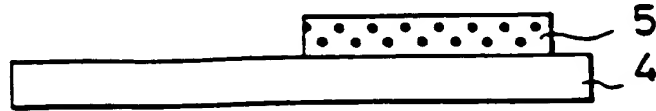


FIG.28C

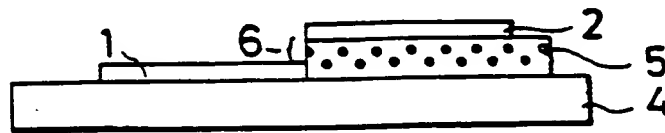


FIG.29A

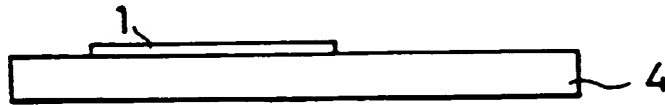


FIG.29B

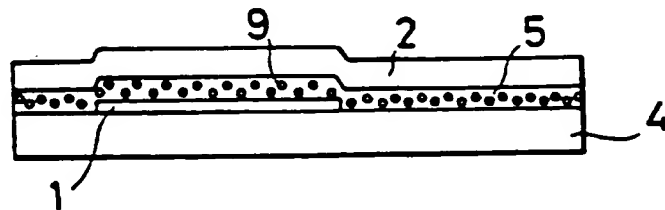


FIG.29C

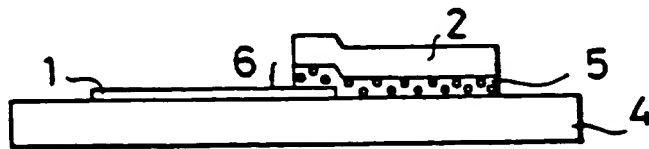


FIG.30A

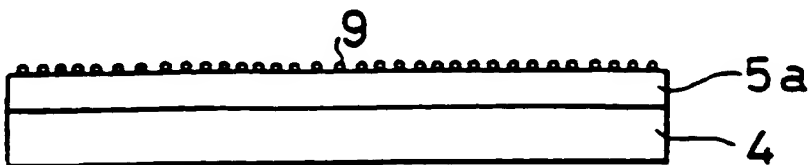


FIG.30B

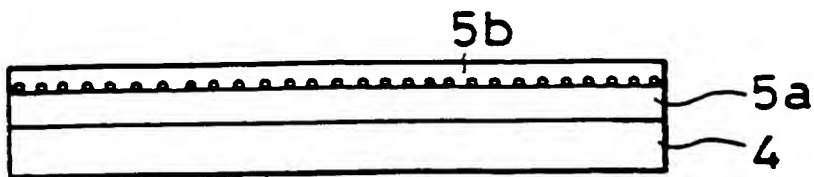


FIG.30C

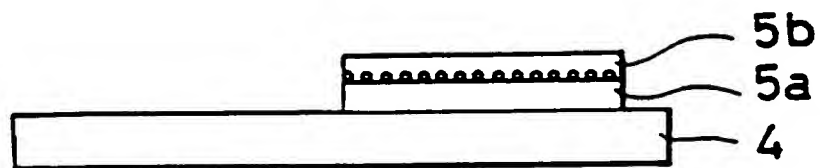


FIG.30D

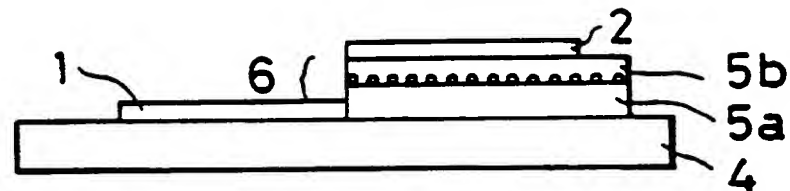
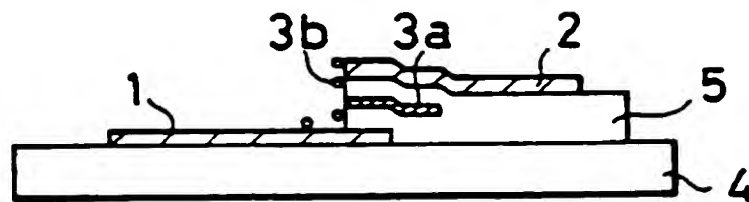
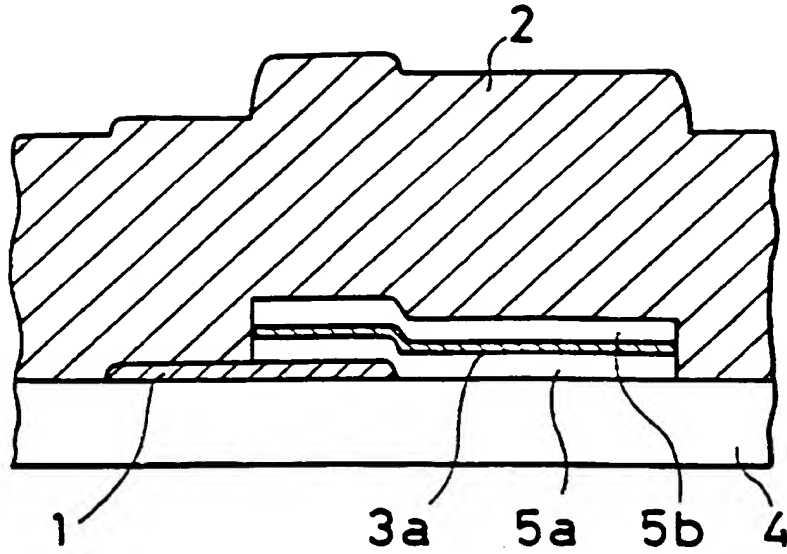


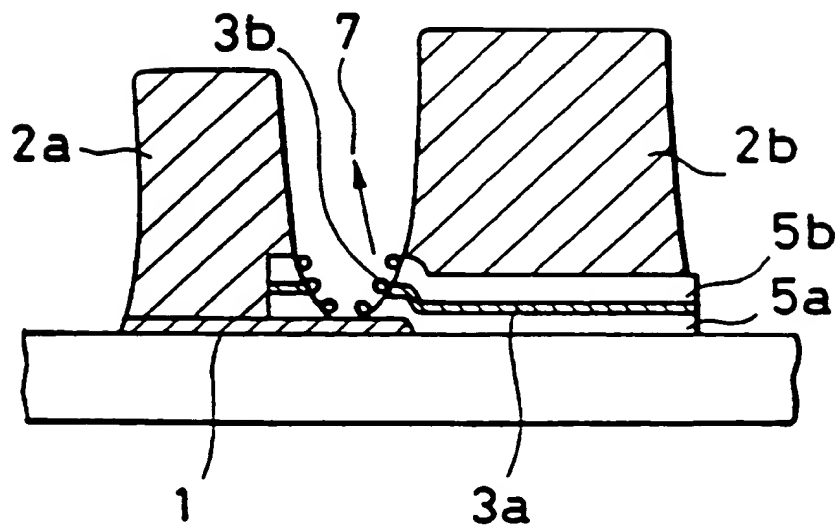
FIG.31




**FIG.32A**



**FIG.32B**



18 { 

A schematic diagram of a composite material structure. It consists of a base layer (1) at the bottom, a middle layer (6) in the center, and a top layer (2) at the top. The middle layer (6) contains a central region filled with dots, representing a specific material or phase. The top layer (2) is a thin layer on top of the middle layer.

09384326.08269  
9280" 9280" 9280" 9280"

FIG.34A

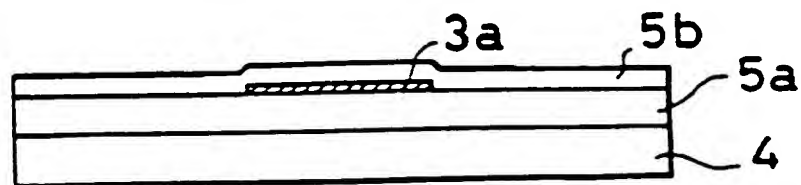


FIG.34B

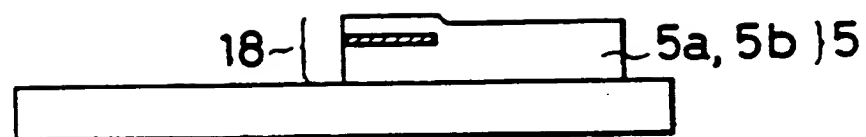


FIG.34C

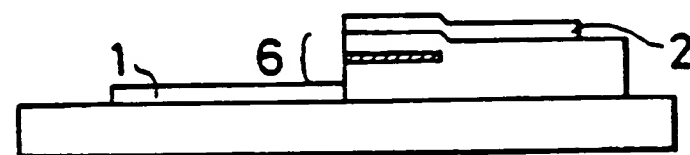
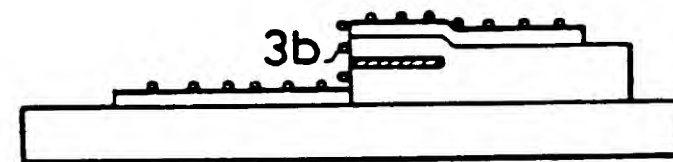


FIG.34D



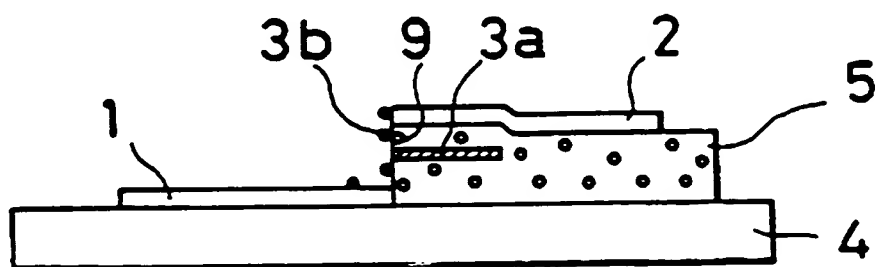


FIG.37A

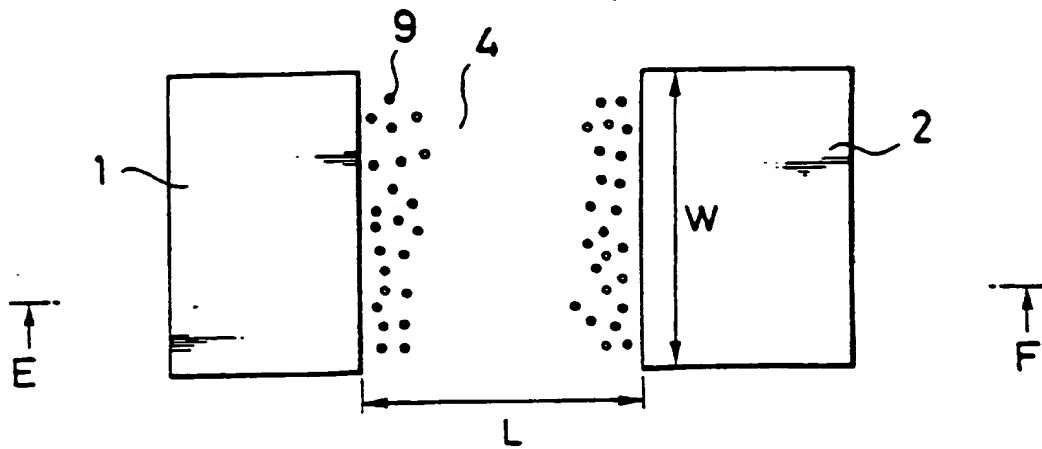


FIG.37B

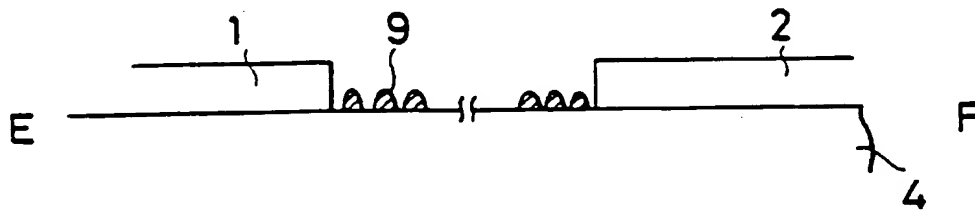
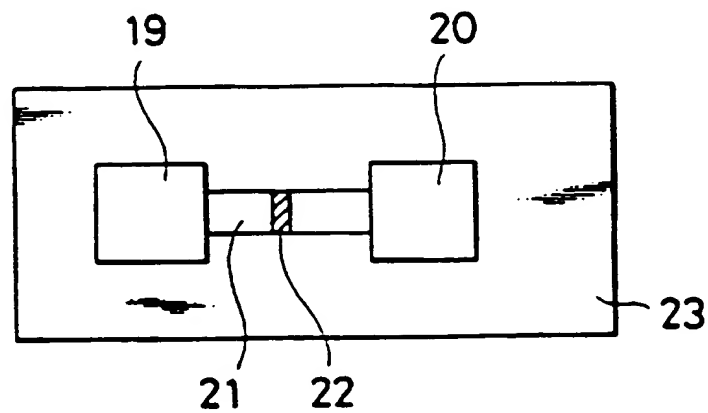


FIG.38



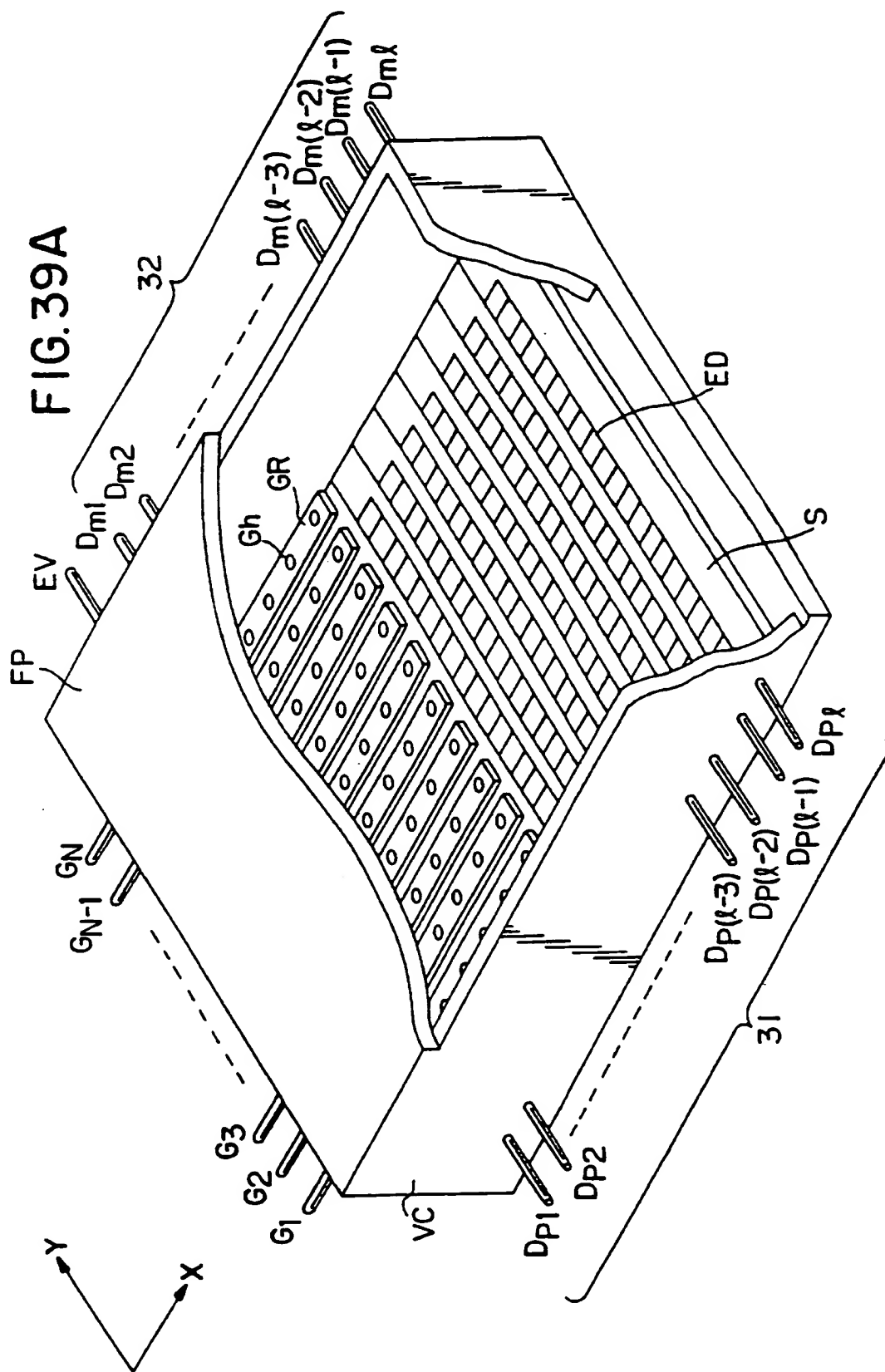




FIG. 39B

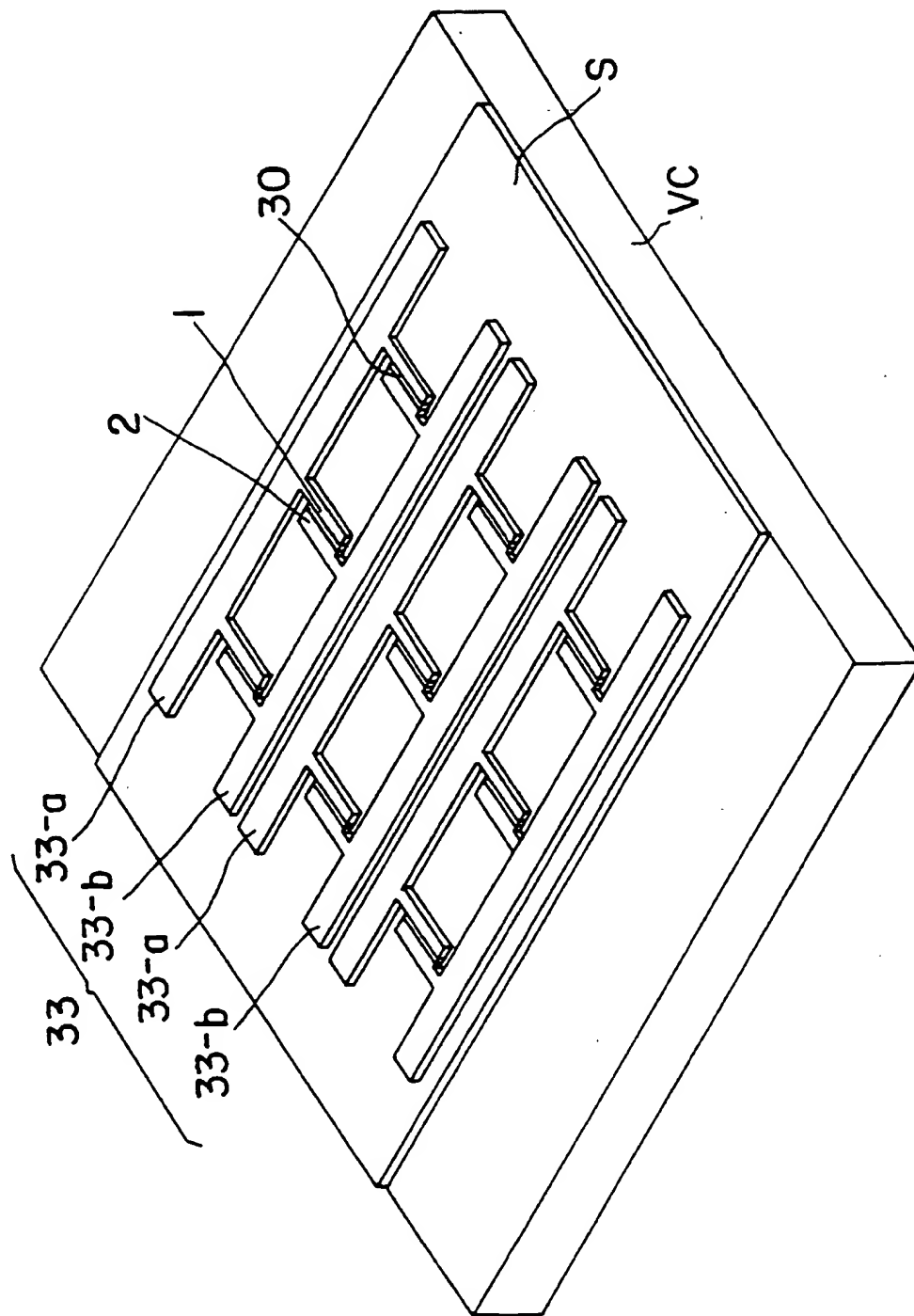


FIG. 39C

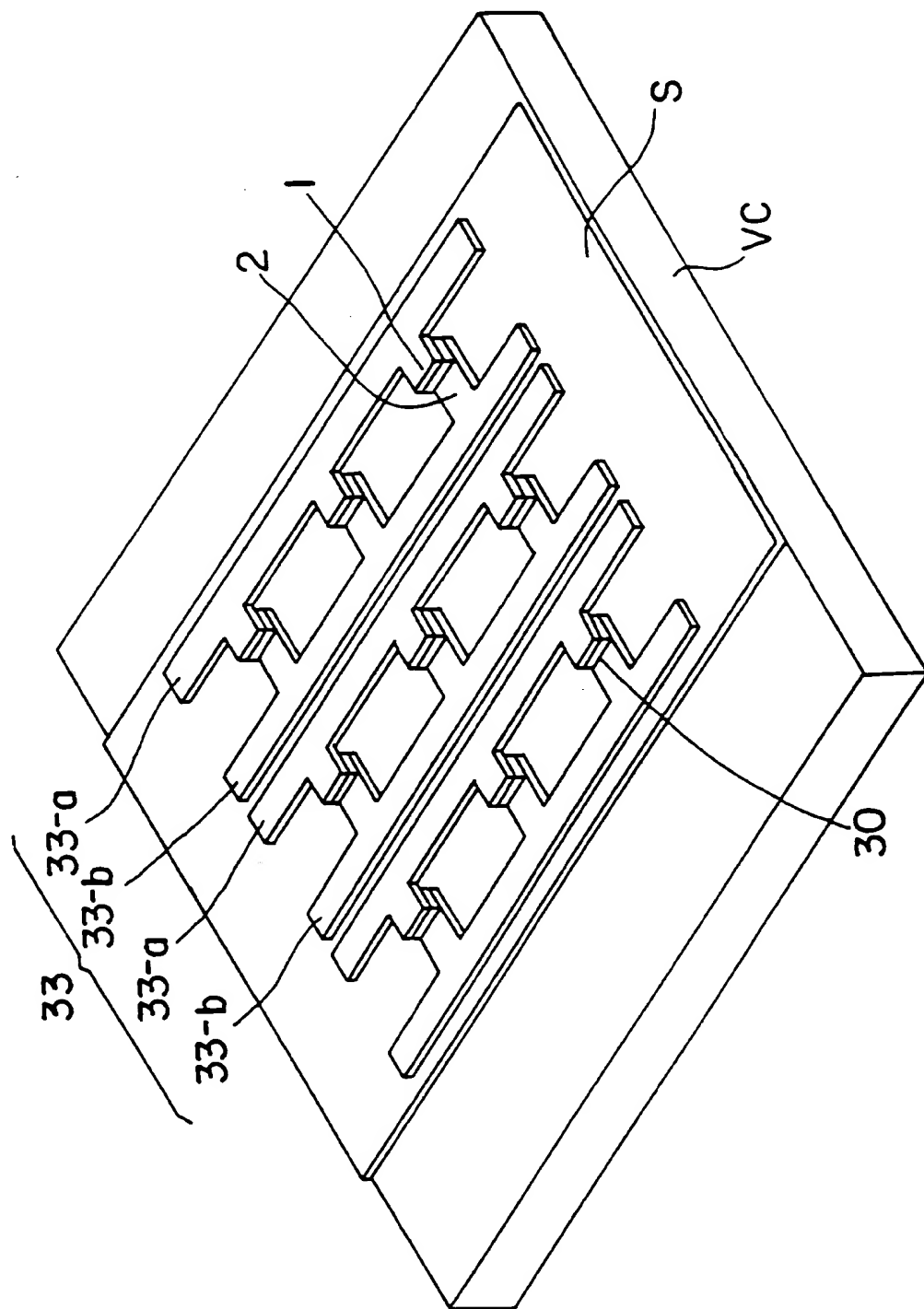


FIG. 39D

